

## ABSTRACT OF THE DISCLOSURE

A DC/DC converter enabling an increase in frequency.  
The DC/DC converter includes a main transistor, a  
5 synchronization transistor, a control circuit, which  
controls the main transistor and the synchronization  
transistor, and a capacitor, which is charged to generate  
gate voltage for the main transistor. The control circuit  
includes a charging time setting circuit for setting the  
10 activation time of the main transistor and the  
synchronization transistor.